

NOV 15 2007

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph at page 6, lines 10-23, as follows:

An "organelle targeting signal peptide" may be a full-length protein specifically localized in each organelle, or a transition signal (or localization signal) peptide that exists in such localized protein and functions for the localization of the protein; known proteins or peptides may be used. For example, as a nuclear targeting signal peptide, an intranuclear protein (for example, histone, viral protein and the like) or its partial signal peptide may appropriately be used. For organelle such as mitochondrion, endoplasmic reticulum, Golgi body and peroxisome, an enzyme which is used as a marker enzyme for each organelle in methods such as cell fractionation (for example, cytochrome c oxidase for mitochondrion, glucose-6-phosphatase for endoplasmic reticulum, galactosyltransferase for Golgi body, catalase for peroxisome and the like) or a signal peptide thereof can be used. Amino acid sequence and base sequence of the polynucleotide encoding such amino acid for such an organelle targeting peptides, may be obtained from known protein databases (for example, URL: HYPERLINK '<http://www.ncbi.nlm.nih.gov/Entrez>' <http://www.ncbi.nlm.nih.gov/Entrez>).

Please amend the paragraph at page 8, lines 16-19, as follows:

Fig. 2 is a schematic diagram showing the structures of fusion peptides (b) and (a) produced in the Examples, and the structure of EGFP reconstructed after protein splicing. The base sequences and amino acid sequences indicate linker peptide sequences between DnaEn and EGFPn, DnaEc and EGFPc, and EGFPn and EGFPc. The nucleic acid sequence and the amino acid sequence on the left-hand side of Fig. 2 correspond to SEQ ID NOs: 7 and 8, respectively. The nucleic acid sequence and the amino acid sequence in the middle of Fig. 2 correspond to SEQ ID NOs: 9 and 10, respectively. The nucleic acid sequence and the amino acid sequence on the right-hand side of Fig. 2 correspond to SEQ ID NOs: 11 and 2, respectively.